

Name

Key

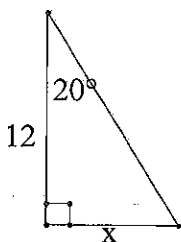
Date

201 Tangent ratio Homework

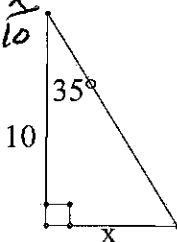
Solve for x. Pictures are NOT drawn to scale. Round to the nearest tenth.

1. 4.4

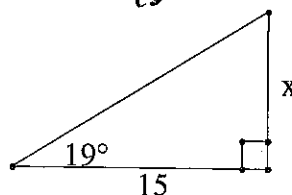
$\tan 20 = \frac{x}{12}$

2. 7.0

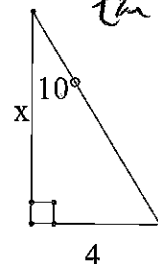
$\tan 35 = \frac{x}{10}$

3. 5.2

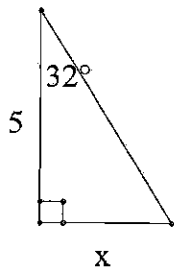
$\tan 19 = \frac{x}{15}$

4. 22.7

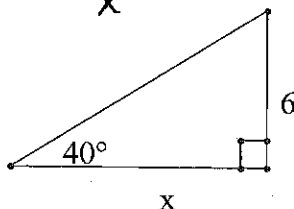
$\tan 10 = \frac{4}{x}$

5. 3.1

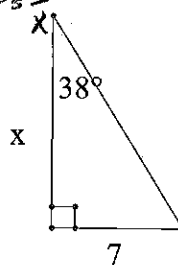
$\tan 32 = \frac{x}{5}$

6. 7.2

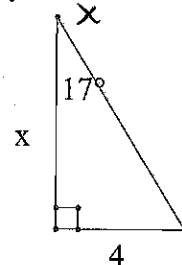
$\tan 40 = \frac{6}{x}$

7. 9.0

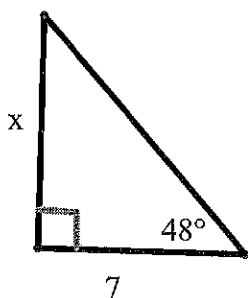
$\tan 38 = \frac{7}{x}$

8. 13.1

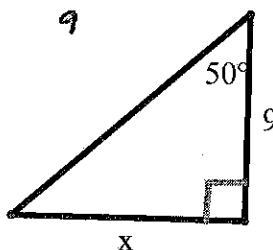
$\tan 17 = \frac{4}{x}$

9. 2.8

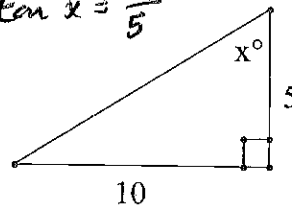
$\tan 48 = \frac{x}{7}$

10. 10.7

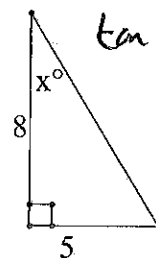
$\tan 50 = \frac{x}{9}$

11. 63.4°

$\tan x = \frac{10}{5}$

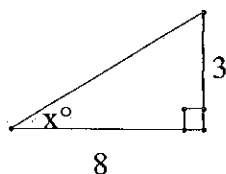
12. 32.0°

$\tan x = \frac{5}{8}$



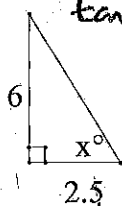
13. 20.6°

$\tan x = \frac{3}{8}$

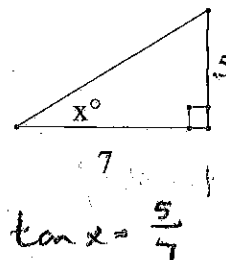


14. 67.4°

$\tan x = \frac{6}{2.5}$

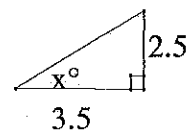


15. 35.5°



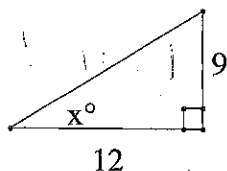
$\tan x = \frac{5}{7}$

16. 35.5°

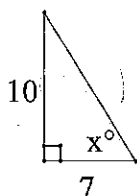


$\tan x = \frac{2.5}{3.5}$

17. 36.9°

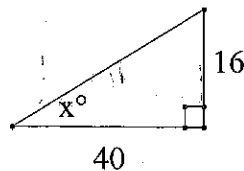


18. 55.0°



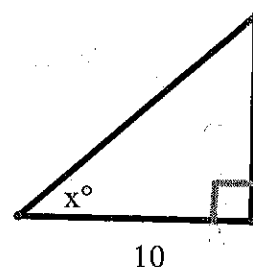
$\tan x = \frac{10}{7}$

19. 21.8°



$\tan x = \frac{16}{40}$

20. 45°



$\tan x = \frac{9}{12}$